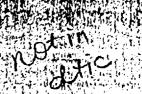
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FINAL REPORT FOR CONTRACT NOO014-84-C-0180, TASK E BLUG MAINTENANCE AND DISTRIBUTION

SAIC-85/1596

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FINAL REPORT

FOR CONTRACT NOO014-84-C-0180, TASK 5

BLUG MAINTENANCE AND DISTRIBUTION

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FINAL REPORT FOR CONTRACT N00014-84-C-0180 TASK 5 BLUG MAINTENANCE AND DISTRIBUTION

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1 October 1985

Final Report

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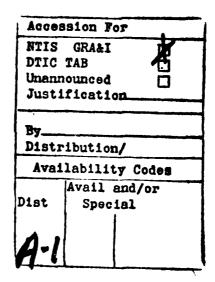
NAVAL OCEAN RESEARCH AND DEVELOPMENT ACTIVITY AEAS Program Office, Code 270 NSTL Station, MS 39529

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER	
SAIC-85/1596			
4. TITLE (and Subtitle)		S. TYPE OF REPORT & PERIOD COVERED	
Final Report for Contract N00014-84-C-0180		Final Report	
Task 5 - BLUG Maintenance and	Distribution	1/3/84 - 1/2/85 FR: 3/2/	
		6. PERFORMING ORG. REPORT NUMBER SAIC-85/1596	
7. AUTHOR(a)		B. CONTRACT OR GRANT NUMBER(s)	
Robert R. Greene		N00014-84-C-0180	
9. PERFORMING ORGANIZATION NAME AND ADDRESS		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS	
Science Applications International Corp.		AREA & WORK UNIT NUMBERS	
1710 Goodridge Dr., P.O. Box 1303 McLean, Virginia 22102		Task 5	
1. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE	
Naval Ocean Research & Develop	ment Activity	1 October 1985	
NSTL Station, MS 39529		13. NUMBER OF PAGES	
14. MONITORING AGENCY NAME & ADDRESS(II ditterent	from Controlling Office)	15. SECURITY CLASS. (of this report)	
Office of Naval Research			
Dept. of the Navy		UNCLASSIFIED	
300 N. Quincy Street		154. DECLASSIFICATION DOWNGRADING	
Arlington, VA 22217 S. DISTRIBUTION STATEMENT (of this Report)		SCHEDUCE	
7. DISTRIBUTION STATEMENT (of the abetract entered t	n Block 20, if different fre	en Report)	
8. SUPPLEMENTARY NOTES			
19. KEY WORDS (Continue on reverse elde il necessary and	t identify by block number)		
Bottom Loss, Maintenance, Dis	stribution		
10. ABSTRACT (Continue on reverse side if necessary and	identify by block number)		
Database maintenance and Loss Upgrade (BLUG) database final report for ONR Contract	is summarized	l in the form of a	

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FINAL REPORT FOR CONTRACT N00014-84-C-0180 TASK 5 - BLUG MAINTENANCE AND DISTRIBUTION

1. INTRODUCTION

1.1 Contract Information. This document is the final report for Office of Naval Research Contract Number N00014-84-C-0180, Task 5. The work under this contract was conducted by Science Applications International Corporation (SAIC) during the period from 3 January 1984 to 2 January 1985.

2. TASK 5 - BLUG MAINTENANCE AND DISTRIBUTION

- 2.1 Statement of Work. The Contractor shall maintain and distribute the Bottom Loss Upgrade (BLUG) data base as directed by AEAS. Included in this task, the Contractor shall update the data base as future work warrants and distribute these updates and additions to other organizations holding the data base. The Contractor shall also generate and distribute BLUG predictions and graphic charts as requested.
- 2.2 <u>Background</u>. SAIC developed the BLUG data base, extraction software, and documentation for the AEAS program. On October 1, 1985, the beginning of Fiscal Year 1985, the Naval Oceanographic Office (NAVOCEANO) assumed responsibility for the maintenance and distribution of the BLUG data base. During the period of the contract, the data base was undergoing testing and evaluation for installation at Fleet Numerical Oceanographic Center (FNOC) at Monterey; numerous small changes were made to the data base in response to inputs from various sources. In addition a major change in the data base in the Mediterranean Basin was carried out at SAIC in conjunction with NAVOCEANO. SAIC, as the developer of the BLUG data base, served as the coordinator to update the data base and associated documentation and distribute current versions of the data base to designated users, until the time that NAVOCEANO assumed control. The tasks carried out by SAIC are summarized in the following paragraphs.
- 2.3 <u>BLUG Distribution</u>. Copies of the BLUG data base and extraction software were distributed to the following organizations:
 - 1) Mr. Charles Bartberger NADC Code 205 Warminster, PA 18974

1

- 2) Mr. John Allen Ms. Martha Winsor Mr. Robert Evans NAVOCEANO Bay St. Louis, MS 39529
- 3) Mr. John Laugnhlin Mr. B. Lippert DSI Rockville, MD
- Dr. Robert F. Henrick APL
- 5) Mr. Nate Greenfeldt ODSI (FNOC)
- 6) Mr. Randall Doebler NUSC (APP)

The extraction software delivered to these organizations was developed at SAIC for internal use and is not the layer extraction system developed and installed by Ocean Data Systems at Fleet Numerical Oceanographic Center. Generally the software required some modifications to run at the users local facility.

2.4 <u>BLUG Updates</u>. The new NOO Mediterranean Sea geo-acoustic areas were incorporated into the BLUG data base. This data base update was sent to DSI (Greenfeldt) at FNOC. Documentation for BLUG was updated with the new Mediterranean areas and distributed to users. This documentation includes the color graphics charts of the BLUG as produced by Ruth Keenan (SAIC) at Woods Hole. Documentation for a new high resolution BLUG data base in the Korea Strait was generated that contains a geo-acoustic area chart and a sediment thickness chart. The methodology for the development of the areas is described and each area is documented as to geologic and geo-acoustic properties. A set of geo-acoustic parameters is given for each area.